

POROUS GROUP IV METAL OXIDE, PRODUCING METHOD THEREOF AND USE THEREOF

Publication number: JP2002028485

Publication date: 2002-01-29

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Classification:

- international: *B01J23/28; B01J21/06; B01J23/30; B01J23/745; B01J23/755; B01J27/053; B01J27/18; B01J35/10; B01J37/04; B01J37/08; C01G23/04; C01G25/02; B01J23/16; B01J21/00; B01J23/745; B01J23/755; B01J27/053; B01J27/14; B01J35/00; B01J37/00; C01G23/00; C01G25/00; (IPC1-7): B01J23/28; B01J21/06; B01J23/30; B01J23/745; B01J23/755; B01J27/053; B01J27/18; B01J35/10; B01J37/04; B01J37/08*

- European:

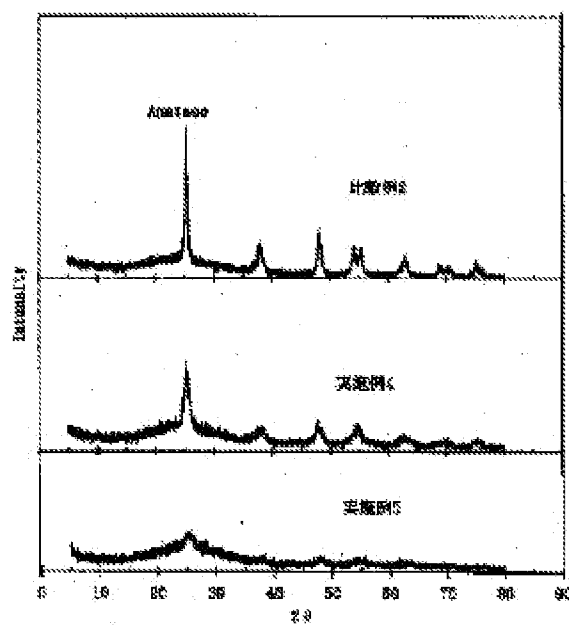
Application number: JP20000213535 20000713

Priority number(s): JP20000213535 20000713

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Abstract of JP2002028485

PROBLEM TO BE SOLVED: To provide a porous group IV metal oxide which is excellent in heat stability, is large in specific surface area and is highly dispersed with catalytic metal, a producing method thereof and a use thereof, and to provide a porous group IV metal oxide which is useful as a catalyst or a catalyst carrier which has a controlled sharp pore distribution and has excellent reaction selectivity in addition to the excellent heat stability, high specific surface area and high dispersion of catalytic metal, a producing method thereof and a use thereof. **SOLUTION:** This porous group IV metal oxide has a high specific surface area of ≥ 80 m²/g which is obtained by adding one or more kinds of anions or/and one or more kinds of cations as a particle growth inhibitor to a hydrosol or a hydrogel, or dried materials thereof of group IV metal oxide hydrate which is shown by a general expression $MO_2 \cdot nH_2O$ where M denotes a group IV metal and n is 0.02 or more, thereafter drying and calcining the hydrosol or hydrogel, or dried material thereof. The producing method thereof and the use thereof.



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